Avocent Data Sheet

ACS 5000 Advanced Console Server

ACS 5048 Advanced Console Server

A Complete Console Management Solution

The ACS 5000 advanced console servers offer IT professionals and network operations center (NOC) personnel the ability to perform secure, remote data center management and out-of-band management of IT assets from anywhere in the world. Using a hardened Linux® operating system, ACS 5000 console servers provide optimal performance, security and reliability. Combined with integrated power management and using DSView® 3 management software, ACS 5000 console servers offer centralized management and a secure and consolidated out-of-band management solution.

Decreased Maintenance Costs and Enhanced Productivity

Available in 4-, 8-, 16-, 32- and 48-port models that fit in 1U of rack space, ACS 5000 console servers help maximize network and server availability with scalability and cost-effectiveness.

Security features such as SSH v2, RADIUS authentication, IP filtering and user access lists per port allow data center managers and system administrators the ability to remotely manage the network and servers with greater control and reliability.

Console management features such as data buffering, direct access methods to the serial ports (such as TCP port and server name) and event notification improve monitoring capabilities which allow faster problem solving and higher network uptime.

ACS 5000 console servers decrease network maintenance costs and help maximize IT asset productivity while providing scalability, making it the right choice for secure in-band and out-of-band management for medium to large enterprise data centers.

Applications

- Secure console and power management
- Server and network management
- Secure access to test and development lab environments
- Legacy terminal server environments
- Industrial/commercial automation

Benefits

- Secure in-band and out-of-band network remote management
- Integrated centralized administration – using DSView 3 management software
- Regulatory compliance and easy troubleshooting – online and off-line data logging with time stamps
- Power management – integrated power control
- Easy configuration and installation – Auto discovery of host names
- Windows® Server 2003 Emergency Management Services (EMS) support
- Clustering – central access to multiple console servers
- Improved network monitoring
- Rack space savings – 1U form factor

![EMERSON Network Power logo]

HARDWARE SPECIFICATIONS

CPU	MPC855T (PowerPC Dual-CPU)
Memory	128 MB DIMM SDRAM/128 MB compact flash 256 MB DIMM SDRAM/128 MB compact flash (ACS 5048 only)
Interfaces	1 Ethernet 10/100BT on RJ-45, 1 RS-232 console on RJ-45, RS-232 serial ports on RJ-45
Power	Internal 100–240 VAC, 50/60 Hz, 35 W max.
Power Usage	for all ACS 5000 port models: Power consumption nominal voltage 100-240 VAC: Typical 0.15A, 18W Maximum 0.3A, 36W
Operating Temp.	50° to 112°F (10° to 44°C)
Storage Temp.	4° to 158°F (−20° to 70°C)
Humidity	15% to 90% non-condensing
Dimensions	(W x D x H) ACS 5004, 5008, 5016, 5032, 5048 console servers 17.03 x 8.85 D x 1.70 in. (433mm x 225mm x 43mm)
Weight	7.7 lbs. (3.5 Kg)
Certifications	FCC Part 15A EN55022, A (CE) EN55024 (CE) ICES-03 C-Tick Solaris Ready® VCCI In addition, the following certifications for specific models: • GOSTR (Russia)* • MIC (Korea)* * Only specific models are certified to the above certifications

ORDERING DETAILS

PART NUMBER	DESCRIPTION
ACS 5004	4-port ACS 5000 console server SAC
ACS 5008	8-port ACS 5000 console server SAC
ACS 5016	16-port ACS 5000 console server SAC
ACS 5032	32-port ACS 5000 console server SAC
ACS 5048	48-port ACS 5000 console server SAC
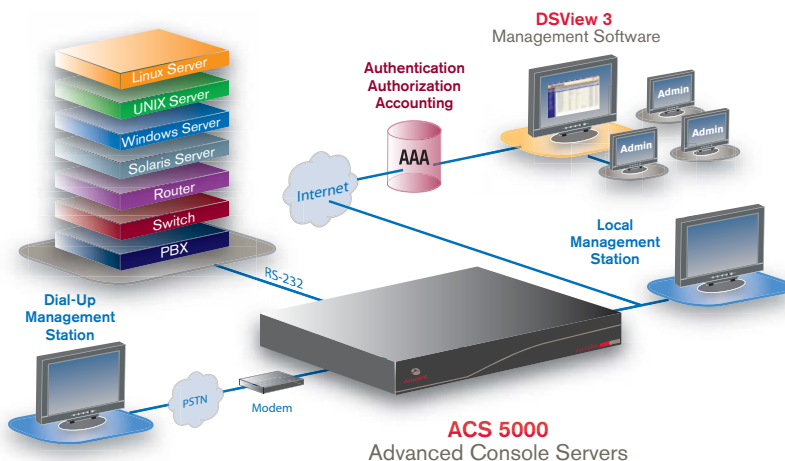
Features

Operating System
• Embedded Linux

Accessibility
• In-band (Ethernet) and out-of-band (dial-up modem) support
• Dedicated console port

Security
• SSHv1 and SSHv2
• Local, RADIUS, TACACS+, LDAP/AD
• Two-factor authentication (RSA SecurID®)
• PAP/CHAP
• Local, backup-user authentication support
• IP packet and security filtering
• User-access lists per port
• System event syslog
• Dial-up access (PPP)
• Dial-up authentication for remote access
• IP forwarding support

Console Management
• Windows Server 2003 EMS support
• Sun™ break-safe (Solaris Ready certified)
• Java™-based SSH client
• Off-line data buffering – local or remote (NFS/syslog)
• Level-based syslog filters
• Time stamp and rotations for data buffering
• Unlimited number of simultaneous sessions
• Simultaneous access on the same port (port sniffing) with ability to toggle
• Clustering (central access to multiple console servers)
• Event notification (e-mail, pager, SNMP trap)
• Global time zone support
• Multiple and customizable user levels of access

Port Access
• Directly by TCP port, IP address or server name
• Telnet/SSH with menu
• Simultaneous Telnet and SSH access
• HTTP/HTTPS

System Management
• Configuration wizard for first-time users
• Auto discovery for automatic deployment
• Command line access (Linux shell)
• Web management interface (HTTP/HTTPS)
• SNMP
• Centralized management using DSView 3 software

Power Management
• Power integration using Avocent Power Management Distribution Units (PM PDUs)
• Third-party power support using SPC power control device
• ServerTech Switched CDU Power Strips

Cabling
• CAT-5 compatible adapters for simpler cabling

Upgrades
• Upgrades available on FTP site, no charge
• Flash upgradeable
• TFTP support for network boot

Additional Protocols Supported
• DHCP for dynamic IP address assignment
• IPv6 support for greater deployment flexibility
• PPP for dial-up
• NTP for time server synchronization
• RFC2217 support for remote serial port access

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